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33/566 **PLOEG, Leonardus, H., T.** [NL/US]; 126 East Lincoln
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*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: BIOMARKER FOR EFFICACY OF APPETITE SUPPRESSANT DRUGS

(57) Abstract: The present invention relates to a biomarker for the efficacy of appetite suppressant drugs given to humans or other mammals for the treatment of obesity. It further relates to a novel method of determining the efficacy of a test compound given to a subject for the treatment of obesity, wherein the test compound is an appetite suppressant which does not stimulate the release of serotonin. It also relates to a method for following the progress of a therapeutic regime designed to alleviate obesity and to a method for determining the appropriate dosage of an appetite suppressant given to a subject for the treatment of obesity.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/06437

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53, 33/566

US CL : 435/7.1, 7.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/7.1, 7.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST MEDLINE BIOSIS EMBASE CAPLUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,127,381 A (BASU et al.) 03 October 2000 (03.10.2000), see entire document.	1-12
Y	US 6,310,034 A (WOYCHIK et al.) 30 October 2001 (30.10.2001), see entire document.	1-12
Y	SHIMOKAWA et al. Effect of a fatty acid synthase inhibitor on food intake and expression of hypothalamic neuropeptides. Proc Natl Acad Sci USA. 08 January 2002, Vol. 99, No. 1, pages 66-71, see entire document.	1-12
Y	KATSUKI et al. Plasma levels of agouti-related protein are increased in obese men. J Clin Endocrinol Metab. May 2001, Vol. 86, No. 5, pages 1921-1924, see entire document.	1-12

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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